

RMP Program Level 2 Process Checklist

Facility Name: West Chemical & Fertilizer Company

RISK MANAGEMENT PROGRAM INSPECTION FINDINGS, ALLEGED VIOLATIONS AND PROPOSED PENALTY SHEET

Section A – Management [68.15]

Management system developed and implemented as provided in 40 CFR 68.15? ☒S ☐M ☐U ☐N/A
Comments:

Has the owner or operator:

- | | |
|--|---|
| 1. Developed a management system to oversee the implementation of the risk management program elements? [68.15(a)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 2. Assigned a qualified person or position that has the overall responsibility for the development, implementation, and integration of the risk management program elements? [68.15(b)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 3. Documented other persons responsible for implementing individual requirements of the risk management program and defined the lines of authority through an organization chart or similar document ? [68.15(c)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |

Section B: Hazard Assessment [68.20-68.42]

Hazard assessment conducted and documented as provided in 40 CFR 68.20-68.42? ☐S ☒M ☐U ☐N/A
Comments:

Hazard Assessment: Offsite consequence analysis parameters [68.22]

- | | |
|--|---|
| 1. Used the following endpoints for offsite consequence analysis for a worst-case scenario: [68.22(a)]
<input checked="" type="checkbox"/> For toxics: the endpoints provided in Appendix A of 40 CFR Part 68? [68.22(a)(1)]
<input type="checkbox"/> For flammables: an explosion resulting in an overpressure of 1 psi? [68.22(a)(2)(i)]; or
<input type="checkbox"/> For flammables: a fire resulting in a radiant heat/exposure of 5 kw/m ² for 40 seconds? [68.22(a)(2)(ii)]
<input type="checkbox"/> For flammables: a concentration resulting in a lower flammability limit, as provided in NFPA documents or other generally recognized sources? [68.22(a)(2)(iii)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 2. Used the following endpoints for offsite consequence analysis for an alternative release scenario: [68.22(a)]
<input checked="" type="checkbox"/> For toxics: the endpoints provided in Appendix A of 40 CFR Part 68? [68.22(a)(1)]
<input type="checkbox"/> For flammables: an explosion resulting in an overpressure of 1 psi? [68.22(a)(2)(i)]
<input type="checkbox"/> For flammables: a fire resulting in a radiant heat/exposure of 5 kw/m ² for 40 seconds? [68.22(a)(2)(ii)]
<input type="checkbox"/> For flammables: a concentration resulting in a lower flammability limit, as provided in NFPA documents or other generally recognized sources? [68.22(a)(2)(iii)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 3. Used appropriate wind speeds and stability classes for the release analysis? [68.22(b)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 4. Used appropriate ambient temperature and humidity values for the release analysis? [68.22(c)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 5. Used appropriate values for the height of the release for the release analysis? [68.22(d)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 6. Used appropriate surface roughness values for the release analysis? [68.22(e)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 7. Do tables and models, used for dispersion analysis of toxic substances, appropriately account for dense or neutrally buoyant gases? [68.22(f)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 8. Were liquids, other than gases liquefied by refrigeration only, considered to be released at the highest daily maximum temperature, based on data for the previous three years appropriate for a stationary source, or at process temperature, whichever is higher? [68.22(g)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |



RMP Program Level 2 Process Checklist

Facility Name: West Chemical & Fertilizer Company

RISK MANAGEMENT PROGRAM INSPECTION FINDINGS, ALLEGED VIOLATIONS AND PROPOSED PENALTY SHEET

Hazard Assessment: Worst-case release scenario analysis [68.25]

9. Analyzed and reported in the RMP one worst-case release scenario estimated to create the greatest distance to an endpoint resulting from an accidental release of a regulated toxic substance from covered processes under worst-case conditions? [68.25(a)(2)(i)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
10. Analyzed and reported in the RMP one worst-case release scenario estimated to create the greatest distance to an endpoint resulting from an accidental release of a regulated flammable substance from covered processes under worst-case conditions? [68.25(a)(2)(ii)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
11. Analyzed and reported in the RMP additional worst-case release scenarios for a hazard class if the worst-case release from another covered process at the stationary source potentially affects public receptors different from those potentially affected by the worst-case release scenario developed under 68.25(a)(2)(i) or 68.25(a)(2)(ii)? [68.25(a)(2)(iii)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
12. Has the owner or operator determined the worst-case release quantity to be the greater of the following: [68.25(b)] <input checked="" type="checkbox"/> If released from a vessel, the greatest amount held in a single vessel, taking into account administrative controls that limit the maximum quantity? [68.25(b)(1)] <input type="checkbox"/> If released from a pipe, the greatest amount held in the pipe, taking into account administrative controls that limit the maximum quantity? [68.25(b)(2)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
13.a. Has the owner or operator for <u>toxic substances</u> that are <u>normally gases</u> at <u>ambient temperature</u> and handled as a <u>gas or liquid under pressure</u> :	
13.a.(1) Assumed the whole quantity in the vessel or pipe would be released as a gas over 10 minutes? [68.25(c)(1)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
13.a.(2) Assumed the release rate to be the total quantity divided by 10, if there are no passive mitigation systems in place? [68.25(c)(1)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
13.b. Has the owner or operator for <u>toxic gases</u> handled as <u>refrigerated liquids</u> at <u>ambient pressure</u> :	
13.b.(1) Assumed the substance would be released as a gas in 10 minutes, if not contained by passive mitigation systems or if the contained pool would have a depth of 1 cm or less? [68.25(c)(2)(i)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.b.(2) [Optional for owner / operator] Assumed the quantity in the vessel or pipe would be spilled instantaneously to form a liquid pool, if the released substance would be contained by passive mitigation systems in a pool with a depth greater than 1 cm? [68.25(c)(2)(ii)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.b.(3) Calculated the volatilization rate at the boiling point of the substance and at the conditions specified in 68.25(d)? [68.25(c)(2)(ii)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.c. Has the owner or operator for <u>toxic substances</u> that are <u>normally liquids</u> at <u>ambient temperature</u> :	
13.c.(1) Assumed the quantity in the vessel or pipe would be spilled instantaneously to form a liquid pool? [68.25(d)(1)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.c.(2) Determined the surface area of the pool by assuming that the liquid spreads to 1 cm deep, if there is no passive mitigation system in place that would serve to contain the spill and limit the surface area, or if passive mitigation is in place, was the surface area of the contained liquid used to calculate the volatilization rate? [68.25(d)(1)(i)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.c.(3) Taken into account the actual surface characteristics, if the release would occur onto a surface that is not paved or smooth? [68.25(d)(1)(ii)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.c.(4) Determined the volatilization rate by accounting for the highest daily maximum temperature in the past three years, the temperature of the substance in the vessel, and the concentration of the substance if the liquid spilled is a mixture or solution? [68.25(d)(2)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
13.c.(5) Determined the rate of release to air from the volatilization rate of the liquid pool? [68.25(d)(3)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A

RMP Program Level 2 Process Checklist

Facility Name: West Chemical & Fertilizer Company

RISK MANAGEMENT PROGRAM INSPECTION FINDINGS, ALLEGED VIOLATIONS AND PROPOSED PENALTY SHEET

13.c.(6) Determined the rate of release to air by using the methodology in the RMP Offsite Consequence Analysis Guidance, any other publicly available techniques that account for the modeling conditions and are recognized by industry as applicable as part of current practices, or proprietary models that account for the modeling conditions may be used provided the owner or operator allows the implementing agency access to the model and describes model features and differences from publicly available models to local emergency planners upon request? [68.25(d)(3)] What modeling technique did the owner or operator use? [68.25(g)] _____	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
---	---

13.d. Has the owner or operator for flammables:

13.d.(1) Assumed the quantity in a vessel(s) of flammable gas held as a gas or liquid under pressure or refrigerated gas released to an undiked area vaporizes resulting in a vapor cloud explosion? [68.25(e)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
---	---

13.d.(2) For refrigerated gas released to a contained area or liquids released below their atmospheric boiling point, assumed the quantity volatilized in 10 minutes results in a vapor cloud? [68.25(f)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
---	---

13.d.(3) Assumed a yield factor of 10% of the available energy is released in the explosion for determining the distance to the explosion endpoint, if the model used is based on TNT-equivalent methods? [68.25(e)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
--	---

14. Used the parameters defined in 68.22 to determine distance to the endpoints? [68.25(g)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
---	---

15. Determined the rate of release to air by using the methodology in the RMP Offsite Consequence Analysis Guidance, any other publicly available techniques that account for the modeling conditions and are recognized by industry as applicable as part of current practices, or proprietary models that account for the modeling conditions may be used provided the owner or operator allows the implementing agency access to the model and describes model features and differences from publicly available models to local emergency planners upon request? [68.25(g)] What modeling technique did the owner or operator use? [68.25(g)] <u>DEGADIS</u>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
---	---

16. Ensured that the passive mitigation system, if considered, is capable of withstanding the release event triggering the scenario and will still function as intended? [68.25(h)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
---	---

17. Considered also the following factors in selecting the worst-case release scenarios: [68.25(i)] <input type="checkbox"/> Smaller quantities handled at higher process temperature or pressure? [68.25(i)(1)] <input type="checkbox"/> Proximity to the boundary of the stationary source? [68.25(i)(2)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
---	---

Hazard Assessment: Alternative release scenario analysis [68.28]

18. Identified and analyzed at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes? [68.28(a)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
--	---

19. Selected a scenario: [68.28(b)] <input checked="" type="checkbox"/> That is more likely to occur than the worst-case release scenario under 68.25? [68.28(b)(1)(i)] <input checked="" type="checkbox"/> That will reach an endpoint off-site, unless no such scenario exists? [68.28(b)(1)(ii)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
---	---

20. Considered release scenarios which included, but are not limited to, the following: [68.28(b)(2)] <input checked="" type="checkbox"/> Transfer hose releases due to splits or sudden hose uncoupling? [68.28(b)(2)(i)] <input type="checkbox"/> Process piping releases from failures at flanges, joints, welds, valves and valve seals, and drains or bleeds? [68.28(b)(2)(ii)] NA <input checked="" type="checkbox"/> Process vessel or pump releases due to cracks, seal failure, or drain, bleed, or plug failure? [68.28(b)(2)(iii)] <input type="checkbox"/> Vessel overfilling and spill, or overpressurization and venting through relief valves or rupture disks? [68.28(b)(2)(iv)] The NH₃ is filled by RR personnel directly from a safeguarded rail car to the tank --NA <input type="checkbox"/> Shipping container mishandling and breakage or puncturing leading to a spill? [68.28(b)(2)(v)] NA	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
--	---

RMP Program Level 2 Process ChecklistFacility Name: West Chemical & Fertilizer Company**RISK MANAGEMENT PROGRAM INSPECTION FINDINGS, ALLEGED VIOLATIONS AND PROPOSED PENALTY SHEET**

21. Used the parameters defined in 68.22 to determine distance to the endpoints? [68.28(c)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
22. Determined the rate of release to air by using the methodology in the RMP Offsite Consequence Analysis Guidance, any other publicly available techniques that account for the modeling conditions and are recognized by industry as applicable as part of current practices, or proprietary models that account for the modeling conditions may be used provided the owner or operator allows the implementing agency access to the model and describes model features and differences from publicly available models to local emergency planners upon request? [68.28(c)] What modeling technique did the owner or operator use? [68.25(g)] <u>DEGADIS</u>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
23. Ensured that the passive and active mitigation systems, if considered, are capable of withstanding the release event triggering the scenario and will be functional? [68.28(d)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
24. Considered the following factors in selecting the alternative release scenarios: [68.28(e)] <input type="checkbox"/> The five-year accident history provided in 68.42? [68.28(e)(1)] <input checked="" type="checkbox"/> Failure scenarios identified under 68.50? [68.28(e)(2)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

Hazard Assessment: Defining off-site impacts–Population [68.30]

25. Estimated population that would be included in the distance to the endpoint in the RMP based on a circle with the point of release at the center? [68.30(a)] Using the 1990 Census	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
26. Identified the presence of institutions, parks and recreational areas, major commercial, office, and industrial buildings in the RMP? [68.30(b)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
27. Used most recent Census data, or other updated information to estimate the population? [68.30(c)] 1990 Census	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A
28. Estimated the population to two significant digits? [68.30(d)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

Hazard Assessment: Defining off-site impacts–Environment [68.33]

29. Identified environmental receptors that would be included in the distance to the endpoint based on a circle with the point of release at the center? [68.33(a)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
30. Relied on information provided on local U.S.G.S. maps, or on any data source containing U.S.G.S. data to identify environmental receptors? [Source may have used LandView to obtain information] [68.33(b)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A

Hazard Assessment: Review and update [68.36]

31. Reviewed and updated the off-site consequence analyses at least once every five years? [68.36(a)] The facility must review and update the OCAs immediately, as part of the required RMP update.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A (b) (5)
32. Completed a revised analysis and submit a revised RMP within six months of a change in processes, quantities stored or handled, or any other aspect that might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more? [68.36(b)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A

Hazard Assessment: Documentation [68.39]

33. For worst-case scenarios: a description of the vessel or pipeline and substance selected, assumptions and parameters used, the rationale for selection, and anticipated effect of the administrative controls and passive mitigation on the release quantity and rate? [68.39(a)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
34. For alternative release scenarios: a description of the scenarios identified, assumptions and parameters used, the rationale for the selection of specific scenarios, and anticipated effect of the administrative controls and mitigation on the release quantity and rate? [68.39(b)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
35. Documentation of estimated quantity released, release rate, and duration of release? [68.39(c)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
36. Methodology used to determine distance to endpoints? [68.39(d)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A

RMP Program Level 2 Process ChecklistFacility Name: West Chemical & Fertilizer Company**RISK MANAGEMENT PROGRAM INSPECTION FINDINGS, ALLEGED VIOLATIONS AND PROPOSED PENALTY SHEET**37. Data used to estimate population and environmental receptors potentially affected? [68.39(e)] ☒Y ☐N ☐N/A**Hazard Assessment: Five-year accident history [68.42]**38. Has the owner or operator included all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage? [68.42(a)] ☐Y ☐N ☒N/A

39. Has the owner or operator reported the following information for each accidental release: [68.42(b)] ☐Y ☐N ☒N/A

- ☐ Date, time, and approximate duration of the release? [68.42(b)(1)]
- ☐ Chemical(s) released? [68.42(b)(2)]
- ☐ Estimated quantity released in pounds and percentage weight in a mixture (toxics)? [68.42(b)(3)]
- ☐ NAICS code for the process? [68.42(b)(4)]
- ☐ The type of release event and its source? [68.42(b)(5)]
- ☐ Weather conditions (if known)? [68.42(b)(6)]
- ☐ On-site impacts? [68.42(b)(7)]
- ☐ Known offsite impacts? [68.42(b)(8)]
- ☐ Initiating event and contributing factors (if known)? [68.42(b)(9)]
- ☐ Whether offsite responders were notified (if known)? [68.42(b)(10)]
- ☐ Operational or process changes that resulted from investigation of the release? [68.42(b)(11)]

Section C: Prevention ProgramImplemented the Program 2 prevention requirements as provided in 40 CFR 68.48 - 68.60? ☐S ☐M ☒U ☐N/A
Comments:**Prevention Program- Safety information [68.48]**

1. Compiled and maintained the following up-to-date safety information, related to the regulated substances, processes, and equipment: [68.48(a)] ☒Y ☐N ☐N/A

- ☒ Material Safety Data Sheets (MSDS) that meet the requirements of the OSHA Hazard Communication Standard [29 CFR 1910.1200(g)]? [68.48(a)(1)]
- ☒ Maximum intended inventory of equipment in which the regulated substances are stored or processed? [68.48(a)(2)]
- ☒ Safe upper and lower temperatures, pressures, flows, and compositions? [68.48(a)(3)]
- ☒ Equipment specifications? [68.48(a)(4)]
- ☒ Codes and standards used to design, build, and operate the process? [68.48(a)(5)]

2. Ensured the process is designed in compliance with recognized and generally accepted good engineering practices? [68.48(b)] ☒Y ☐N ☐N/A

3. Updated information if a major change has occurred that made the information inaccurate? [68.48(c)] ☐Y ☐N ☒N/A

Prevention Program- Hazard review [68.50]4. Has the owner or operator conducted a review of the hazards associated with the regulated substances, processes, and procedures? [68.50(a)] ☒Y ☐N ☐N/A

Facility Name: West Chemical & Fertilizer Company

5. Did the review identify:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> The hazards associated with the process and regulated substances? [68.50(a)(1)]			
<input checked="" type="checkbox"/> Opportunities for equipment malfunctions or human errors that could cause an accidental release? [68.50(a)(2)]			
<input checked="" type="checkbox"/> The safeguards used or needed to control the hazards or prevent equipment malfunctions or human error? [68.50(a)(3)]			
<input checked="" type="checkbox"/> Any steps used or needed to detect or monitor releases? [68.50(a)(4)]			
6. Determined by inspecting all equipment that the processes are designed, fabricated, and operated in accordance with applicable standards or rules, if designed to meet industry standards or Federal or state design rules? [68.50(b)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
7. Documented the results of the review? [68.50(c)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
8. Ensured that problems identified were resolved in a timely manner? [68.50(c)] Had no action item list naming who & when; the list did name what had to be done. The facility must review its records to determine whether and when recommendations had been addressed. To the extent that there may be any outstanding recommendations, the current hazard review (see 9 below) should determine whether actions may still be warranted.	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<input type="checkbox"/> N/A
9. Updated the review at least once every five years or whenever a major change in the processes occurred? [68.50(d)] The facility must update the hazard review immediately as part of the required RMP update process.	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<input type="checkbox"/> N/A
10. Resolved all issues identified in the review before startup of the changed process? [68.50(d)]	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> N/A
Prevention Program- Operating procedures [68.52]			
11. Has the owner or operator prepared written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process? (Operating procedures or instructions provided by equipment manufacturers or developed by persons or organizations knowledgeable about the process and equipment may be used as a basis for a stationary source's operating procedures.) [68.52(a)]	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
12. Do the procedures address the following: [68.52(b)]	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Initial startup? [68.52(b)(1)]			
<input checked="" type="checkbox"/> Normal operations? [68.52(b)(2)]			
<input type="checkbox"/> Temporary operations? [68.52(b)(3)]			
<input checked="" type="checkbox"/> Emergency shutdown and operations? [68.52(b)(4)]			
<input checked="" type="checkbox"/> Normal shutdown? [68.52(b)(5)]			
<input checked="" type="checkbox"/> Startup following a normal or emergency shutdown or a major change that requires a hazard review? [68.52(b)(6)]			
<input type="checkbox"/> Consequences of deviations and steps required to correct or avoid deviations? [68.52(b)(7)] Not Documented. Operating procedures must be updated to include consequences of deviation.			
<input checked="" type="checkbox"/> Equipment inspections? [68.52(b)(8)]			
13. Has the owner or operator ensured that the operating procedures have been updated, if necessary, whenever a major change occurred and prior to startup of the changed process? [68.52(c)]	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> N/A

RMP Program Level 2 Process ChecklistFacility Name: West Chemical & Fertilizer Company**RISK MANAGEMENT PROGRAM INSPECTION FINDINGS, ALLEGED VIOLATIONS AND PROPOSED PENALTY SHEET****Prevention Program - Training [68.54]****No Documentation**

- | | |
|--|---|
| 14. Certified that each employee presently operating a process, and each employee newly assigned to a covered process have been trained or tested competent in the operating procedures provided in § 68.52 that pertain to their duties? (For those employees already operating a process on June 21, 1999, the owner or operator may certify in writing that the employee has the required knowledge, skills, and abilities to safely carry out the duties and responsibilities as provided in the operating procedures.) [68.54(a)] OJT experience only. The facility must improve record keeping practices for operator training. | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A
(b) (5) |
| 15. Provided refresher training at least every three years, or more often if necessary, to each employee operating a process, to ensure that the employee understands and adheres to the current operating procedures of the process? [68.54(b)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |
| 16. Determined, in consultation with the employees operating the process, the appropriate frequency of refresher training? [68.54(b)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |
| 17. Certified that each employee was trained in any updated or new procedures prior to startup of a process after a major change? [68.54(d)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |

Prevention Program - Maintenance [68.56] No Documentation

- | | |
|--|---|
| 18. Prepared and implemented procedures to maintain the on-going mechanical integrity of the process equipment? [68.56(a)] The facility must develop and document compliance with a mechanical integrity program for the covered processes. | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A
(b) (5) |
| 19. Trained or caused to be trained each employee, involved in maintaining the on-going mechanical integrity of the process, in the hazards of the process, in how to avoid or correct unsafe conditions, and in the procedures applicable to the employee's job tasks? [68.56(b)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |
| 20. Has every maintenance contractor ensured that each contract maintenance employee is trained to perform the maintenance procedures developed? [68.56(c)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |
| 21. Has the owner or operator performed or caused to be performed inspections and tests on process equipment that follow recognized and generally accepted engineering practices? [68.56(d)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |

Prevention Program - Compliance audits [68.58] No Documentation – a compliance audit was never done

- | | |
|--|---|
| 22. Has the owner or operator certified that compliance audits are conducted at least every three years to verify that the procedures and practices are adequate and are being followed? [68.58(a)] The facility must immediately conduct a compliance audit and establish safeguards to ensure that one is conducted at least once every three years thereafter. | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A
(b) (5) |
| 23. Has compliance audit been conducted by at least one person knowledgeable in the process? [68.58(b)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |
| 24. Has the owner operator developed a report of the audits findings? [68.58(c)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |
| 25. Has the owner or operator promptly determined and documented an appropriate response to each of the findings of the audit and documented that deficiencies had been corrected? [68.58(d)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |
| 26. Has the owner or operator retained the two most recent compliance audit reports, unless more than five years old? [68.58(e)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |

Prevention Program - Incident investigation [68.60]**No Documentation**

- | | |
|--|---|
| 27. Has the owner or operator investigated each incident that resulted in, or could reasonably have resulted in a catastrophic release? [68.60(a)] | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A |
| 28. Were all incident investigations initiated not later than 48 hours following the incident? [68.60(b)] | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |

RMP Program Level 2 Process Checklist

Facility Name: West Chemical & Fertilizer Company

RISK MANAGEMENT PROGRAM INSPECTION FINDINGS, ALLEGED VIOLATIONS AND PROPOSED PENALTY SHEET

29. Was a summary prepared at the conclusion of every investigation, which included: [68.60(c)] <input type="checkbox"/> Date of incident? [68.60(c)(1)] <input type="checkbox"/> Date investigation began? [68.60(c)(2)] <input type="checkbox"/> A description of incident? [68.60(c)(3)] <input type="checkbox"/> The factors that contributed to the incident? [68.60(c)(4)] <input type="checkbox"/> Any recommendations resulting from the investigation? [68.60(c)(5)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
30. Has the owner or operator promptly addressed and resolved the investigation findings and recommendations, and are the resolutions and corrective actions documented? [68.60(d)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
31. Has the owner or operator reviewed the finding with all affected personnel whose job tasks are affected by the findings? [68.60(e)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
32. Has the owner or operator retained investigation summaries for five years? [68.60(f)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A

Section D - Emergency Response [68.90 - 68.95]

Developed and implemented an emergency response program as provided in 40 CFR 68.90-68.95? Comments:	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> N/A
1. Is the facility designated as a “first responder” in case of an accidental release of regulated substances?”	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A
1.a. If the facility is not a first responder:	
1.a.(1) For stationary sources with any regulated substances held in a process above threshold quantities, is the source included in the community emergency response plan developed under 42 U.S.C. 11003? [68.90(b)(1)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
1.a.(2) For stationary sources with only regulated flammable substances held in a process above threshold quantities, has the owner or operator coordinated response actions with the local fire department? [68.90(b)(2)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
1.a.(3) Are appropriate mechanisms in place to notify emergency responders when there is need for a response? [68.90(b)(3)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
2. An emergency response plan is maintained at the stationary source and contains the following? [68.95(a)(1)] <input checked="" type="checkbox"/> Procedures for informing the public and local emergency response agencies about accidental releases? [68.95(a)(1)(i)] <input checked="" type="checkbox"/> Documentation of proper first-aid and emergency medical treatment necessary to treat accidental human exposures? [68.95(a)(1)(ii)] <input checked="" type="checkbox"/> Procedures and measures for emergency response after an accidental release of a regulated substance? [68.95(a)(1)(iii)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
3. The emergency response plan contains procedures for the use of emergency response equipment and for its inspection, testing, and maintenance? [68.95(a)(2)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
4. The emergency response plan requires, and there is documentation of, training for all employees in relevant procedures? [68.95(a)(3)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
5. The owner or operator has developed and implemented procedures to review and update, as appropriate, the emergency response plan to reflect changes at the stationary source and ensure that employees are informed of changes? [68.95(a)(4)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
6. Did the owner or operator use a written plan that complies with other Federal contingency plan regulations or is consistent with the approach in the National Response Team’s Integrated Contingency Plan Guidance (“One Plan”)? If so, does the plan include the elements provided in paragraph (a) of 68.95, and also complies with paragraph (c) of 68.95? [68.95(b)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A

RMP Program Level 2 Process Checklist

Facility Name: West Chemical & Fertilizer Company

RISK MANAGEMENT PROGRAM INSPECTION FINDINGS, ALLEGED VIOLATIONS AND PROPOSED PENALTY SHEET

7. Has the emergency response plan been coordinated with the community emergency response plan developed under EPCRA? [68.95(c)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
--	---

Section E – Risk Management Plan [40 CFR 68.190 – 68.195]

1. Does the single registration form include, for each covered process, the name and CAS number of each regulated substance held above the threshold quantity in the process, the maximum quantity of each regulated substance or mixture in the process (in pounds) to two significant digits, the five- or six-digit NAICS code that most closely corresponds to the process and the Program level of the process? [68.160(b)(7)]	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
---	---

2. Has the owner or operator reviewed and updated the RMP and submitted it to EPA [68.190(a)]? Reason for update: <input checked="" type="checkbox"/> Five-year update. [68.190(b)(1)] The facility must immediately prepare and submit an updated Risk Management Plan. Go to http://yosemite.epa.gov/oswer/ceppoweb.nsf/content/RMPsubmission.htm for information and tools. <input type="checkbox"/> Within three years of a newly regulated substance listing. [68.190(b)(2)] <input type="checkbox"/> At the time a new regulated substance is first present in an already regulated process above threshold quantities. [68.190(b)(3)] <input type="checkbox"/> At the time a regulated substance is first present in an new process above threshold quantities. [68.190(b)(4)] <input type="checkbox"/> Within six months of a change requiring revised PHA or hazard review. [68.190(b)(5)] <input type="checkbox"/> Within six months of a change requiring a revised OCA as provided in 68.36. [68.190(b)(6)] <input type="checkbox"/> Within six months of a change that alters the Program level that applies to any covered process. [68.190(b)(7)]	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A <div style="background-color: black; color: red; padding: 2px;">(b) (5)</div>
--	--

3. If the owner or operator experienced an accidental release that met the five-year accident history reporting criteria (as described at 68.42) subsequent to April 9, 2004, did the owner or operator submit the information required at 68.168, 68.170(j) and 68.175(l) within six months of the release or by the time the RMP was updated as required at 68.190, whichever was earlier. [68.195(a)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
--	---

4. If the emergency contact information required at 68.160(b)(6) has changed since June 21, 2004, did the owner or operator submit corrected information within thirty days of the change? [68.195(b)]	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A
--	---

Total Unadjusted Penalty - (b) (5)